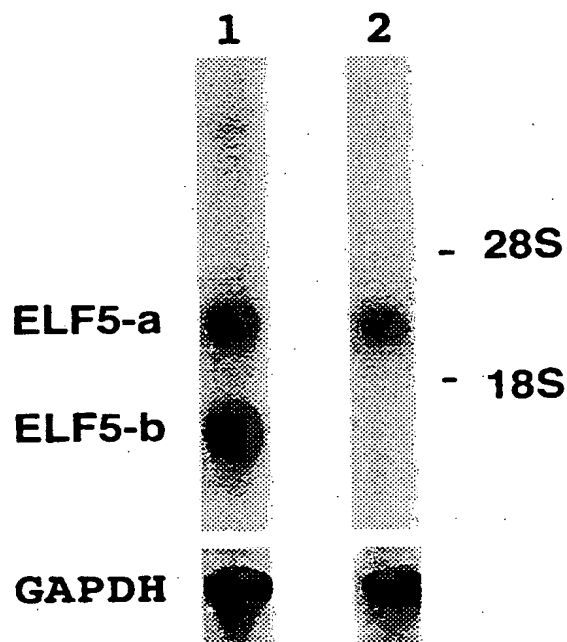


[illegible]

SUBSTITUTE SHEET (Rule 26) (RO/AU)

**Figure 1a**

2/18

**Figure 1b**

3/18

hELF5	MLDSVTHSTFLPNASFCDPPLMSWTDLFSNEEYYPAFEHQIACDSYWTSVH	50
mELF5	MLDSVTHSTFLPNASFCDPPLMPWTDLFSNEDYYPAFEHQIACDSYWTSVH	50
	CKII CKII CKII	
hELF5	PEYWKRRHVWENLQFCCDQYKLDTNCISFCNFNISGLQLCSMTQEEFVEA	100
mELF5	PEYWKRRHVWENLQFCCDQYKLDANCISFCHFNISGLQLCSMTQEEFIEA	100
	PKC CKII	
hELF5	AGFCGEYLYFILLQNI RTQGYSEFFNDAEESKATIKDYADSNCLKTSGIKSQ	150
mELF5	AGICGEYLYFILLQNI RSQGYSEFFNDAEETKTGIKDYADSSCLKTSGIKSQ	150
hELF5	DCHSHRSTLSQSSHLWEFVRDLLISPEENC GILEWEDREQGIFRVVKSEA	200
mELF5	DCHS--RTSLQSSHLWEFVRDLLISPEENC GILEWEDREQGIFRVVKSEA	198
	CKII	
hELF5	LAKMWGQKKNDRMVYEKLSRALRYYYKTGILERVDRRLVYKFGKNAHGW	250
mELF5	LAKMWGQKKNDRMVYEKLSRALRYYYKTRILERVDRRLVYKFGKNAHGW	248
	Typ	
hELF5	QEDKL*	255
mELF5	QEEKL*	253

Figure 2a

IDENTITY (%)	
100	LWFEVRLDLSPE-ENCGILEWEDREQGIFRVV--KSEALAKMWGQK-KNDRMTYEKLSRALRYYYKTGILERVD--RRLVYKF
98	LWFEVRLDLSPE-ENCGILEWEDREQGIFRVV--KSEALAKMWGQK-KNDRMTYEKLSRALRYYYKTGILERVD--RRLVYKF
67	LWFEIRDILIHPE-LNEGMLKWNHRHGVFKFL--RSEAVAQLWGQKK-KNSNMTYEKLSRAMRYYYKREILERV--GRLVYKF
67	LWFEIRDILIHPE-LNEGMLKWNHRHGVFKFL--RSEAVAQLWGQKK-KNSNMTYEKLSRAMRYYYKREILERV--GRLVYKF
49	LWFEFLDQLQDN--TCPYIKWTQREKGFVKLV--DSKAVSKLWGKHK-NKPDNMYETMGRALRYYYQORGILAKVE--GQRLVYQF
48	LWQFLKELLASPO-VNGTAIRWIDRSKGFVKIE--DSVRVAKLWGRK-NRPAMNYDKLSRSIRQYKKGIMKKTTERSQRLVYQF
48	LWFEFLKLLQDRE--YCPRFIKWTNREKGVFKLV--DSKAVSRLWGMHK-NKPDNMYETMGRALRYYYQORGILAKVD--GQRLVYHF
46	LWFEFLALLQDKA--TCPYIKWTQREKGFVKLV--DSKAVSRLWGMHK-NKPDNMYETMGRALRYYYQORGILAKVE--GQRLVYQF
46	LWQFLQLLREQ--GNGHIIISWTSRDGGEFKLV--DAEVARLWGLRK-NKTNMNYDKLSRALRYYYDKNIIRKVS--GQKFVYKF
44	LWDVYQLLSDS--RYENFIRWEDKESKIFRIV--DPNGLARLWGNHK-NRTNMTYKMSRALRHYKLNIIIRKEP--GQRLVYQF
44	LWQFLVTLLODP--ANAHFIAWTGR-GMEFKLI--EPEVARRWGIQK-NRPAMNYDKLSRSRLRYYYEKGMOKVA--GERVYVYKF
44	LWQFLVALLDDP--SNSHFIAWTGR-GMEFKLI--EPEVARRWGIQK-NRPAMNYDKLSRSRLRYYYEKGMOKVA--GERVYVYKF
44	LWQFLVALLDDP--TNAHFIAWTGR-GMEFKLI--EPEVARLWGIQK-NRPAMNYDKLSRSRLRYYYEKGMOKVA--GERVYVYKF
44	LWQFLLELLTDK--DARDCISWVGDEG-EFKLI--QPELVAQWQK-NKPTMNYEKLRSALRYYYDGMICKVQ--GKRFFVYKF
42	LWQFLLELLLDQ--KHEHLICWTSNDG-EFKLI--KAEVARLWGLRK-NKTNMNYDKLSRALRYYYDKNIIRKVI--GQKFVYKF
42	LWQFLLELLADS--SNANAIWEGQSG-EFKLI--DPDEVARRWGERK-AKPNMNYDKLSRALRYYYDKNIMTKVH--GKRYAYKF
42	LYQFLDILLRSG--DMKDSIWWVDKGTQFSSKHKEALAHRWGIQKGNRKKMTYQKMARALRNYGKTGEVKKVK--KKLTYQF
42	LWHFILLELLQKE--EFRHVIAWQGEYGEFVK--DPDEVARLWGRK-CKPQMNYDKLSRALRYYYNKRILHKTG--GKRFFTYKF
42	LWQFLQLLQKP--QNKHMICWTSNDG-QFKLI--QAEVARLWGIQK-NKPNMNYDKLSRALRYYYVKNIIKKVN--GQKFVYKF
42	LYQFLGLLTRG--DMRECVWVPEGAGVGFQFSSKHKEALLARWQKGNRKRMTYQKLARALRNYAKTGEIRKVK--RKLTYQF
41	LWDFLQLLNDRNQYSDLIAWKCRTDGVFKIV--DPAGLAKLWGIQK-NHLSMNYDKMSRALRYYYRVNIRKVK--GERHCYQF
41	LWQFLLELLSDS--SNSSCITWEGTNG-EFKMT--DPDEVARRWGERK-SKPNMNYDKLSRALRYYYDKNIMTKVH--GKRYAYKF
41	LWQFLLELLSDS--ANASCITWEGTNG-EFKMT--DPDEVARRWGERK-SKPNMNYDKLSRALRYYYDKNIMTKVH--GKRYAYKF
40	LWQFLLEILLTDC--EHTDVIEWVGTG-EFKLT--DPDRVARLWGEKK-NKPNMNYEKLRSALRYYYDGMISKVS--GKRFFAYKF
39	LWQFLLELLSDS--NNASCITWEGTNG-EFKLT--DPDEVARRWGERK-SKPNMNYDKLSRALR-----
37	LWQFLLELLTDK--SQQSFISWTGDG-EFKLS--DPDEVARRWGRK-NKPKMNYEKLRSGLRYYYDKNIIHKTA--GKRYVYRF
37	LWQFLLELLSDK--SQQSFISWTGDG-EFKLA--DPDEVARRWGRK-NKPKMNYEKLRSGLRYYYDKNIIHKTS--GKRYVYRF
36	LWQFLKLLQDG--ARSSCIRWTGNSR-EFQLC--DPKEVARLWGERK-RKPGMNYEKLRSGLRYYYRRDIVLKS--GKRYTYRF
	consensus LWQFL L L D I W F K VAR WG K P MNY KLSR LRYYY I K GR Y F

Figure 2b

**SUBSTITUTE SHEET (Rule 26) (RO/AU)**

**6/18**

Identity	(%)
A-SFCDPL-MSWTDLFSNEEYYPAFEHQATCDSYWTSVHPEYWKTRHVWENLQFCCDQYKLDT-NCIS-FCNFNISGLQLCMSMTQEVEAAG-FCGEYLVFILQNI	100
A-SFCDPL-MPWTDLFSNEDYYPAFEHQATCDSYWTSVHPEYWKTRHVWENLQFCCDQYKLD-NCIS-FCNFNISGLQLCMSMTQEVEAAG-ICGEYLVFILQNI	93
E-SNPMNYN-SYMDEK-NGPPPNMTNERRVIVPA-DPTLWSTDHVRQWLEWAVKEYGLPDVN-ILLFQ--NIDKELCKMTKODFORLTPSYNADILLSHLHYLR	26
A-SVP-PAATFGADDIVLTLSNPQMSLEGTEKASWLGEQPQFWSKTQVLDWISYQVEKNKYDA-SAITD-FSRCDMDGATLCNALEELRLVFG-PLGDQLHAQLRDLTS	23
PESPV-PSYASSTPLHVVPVPRALRMEEDSIRLPAHLRLQPIYWSRDDVAQWLKWAENEFSLRO-IDSNTFE-MN--GKALLLTLTKEDEFYRSP-HSGDVLVELLGH	22
ITITSETSEQVTRWAAALEGYRK-EQERLGIPY----DPIQWSTDQVHLWVWVWMEFESMTDIDLTL----NISGELCANTHEEFENOKLPRDPGNI	22
PLLTSSKEMMSQALKATFSGFTK-EQORLGIPI-----DPRQWTETKVRDVMWMAVNEFSLKGVDFQK-FC-MN--GAALCALGKDCFLELAPDFVGDILWEHLEILQ	22
PLLTSSKAVMSQALKATFSGFKK-EQORLGIPIK-----NPWLWSEQQVCQWLLWATNEFSLVNVNLR-FG-MN--GOMLCNLGKERFLELAPDFVGDILWEHLEOMIK	21
LNSLN-PGIWSDVLWRCPAPAPSSQALAEKLTQLPSPSLPSDRLWSREDVLVFLRCVREFDLPK-LDFDLFQ-MN--GKALCLLTLRADFGHRCP-GAGDVLHNVQLMLII	20
PPLTPGTNRKVNVELKASFASWEK-EVQKCNITK-----DPREWTEEHVIYWLWNAKNEFSLVSMNLDP-FYKMK--GRAMVDLGKEKFLAITPPTFGDILWEHLDILQ	19
p s	MS
F	FKK
E	QRL
IP	DP
WS	HV
WL	WAVEFSL
NLI	F
MN	GKELC
L	KEDFLER
P	F
GDILWEHLE	LRK

### Figure 2d

7/18

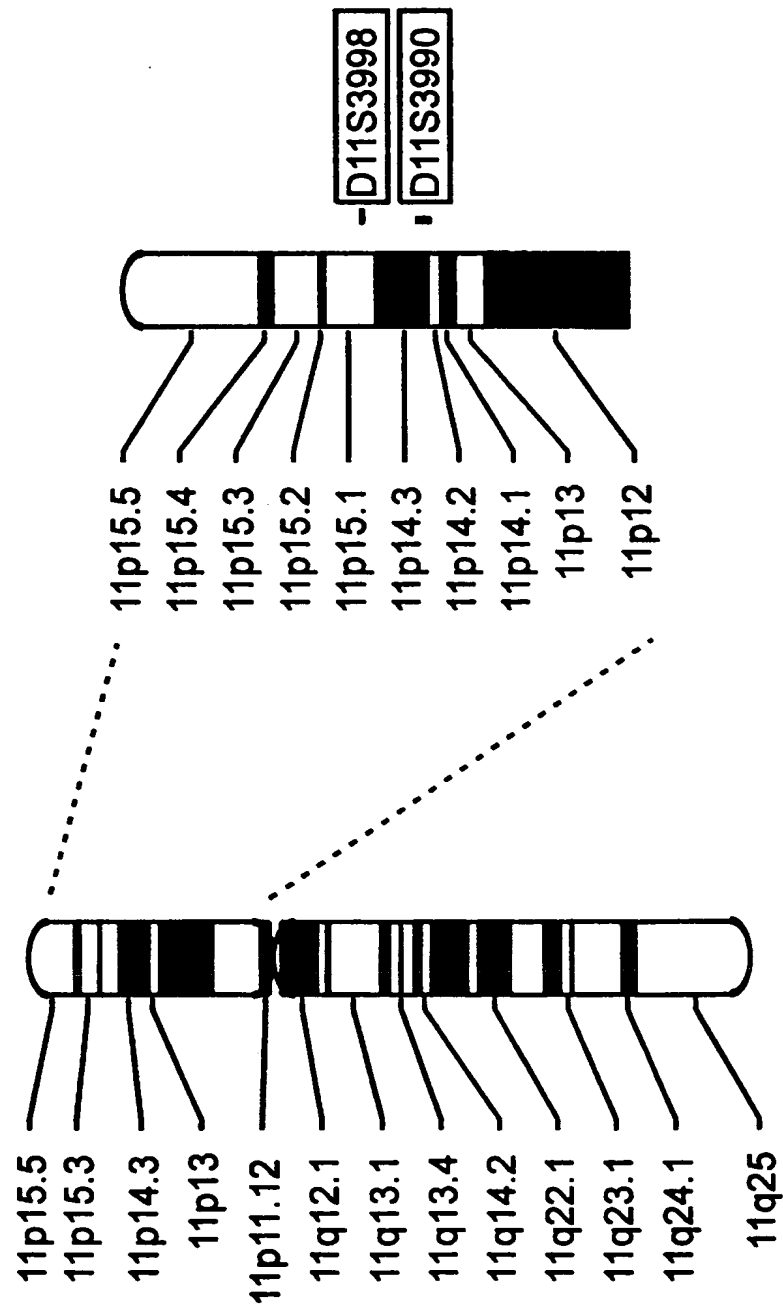


Figure 3

8/18

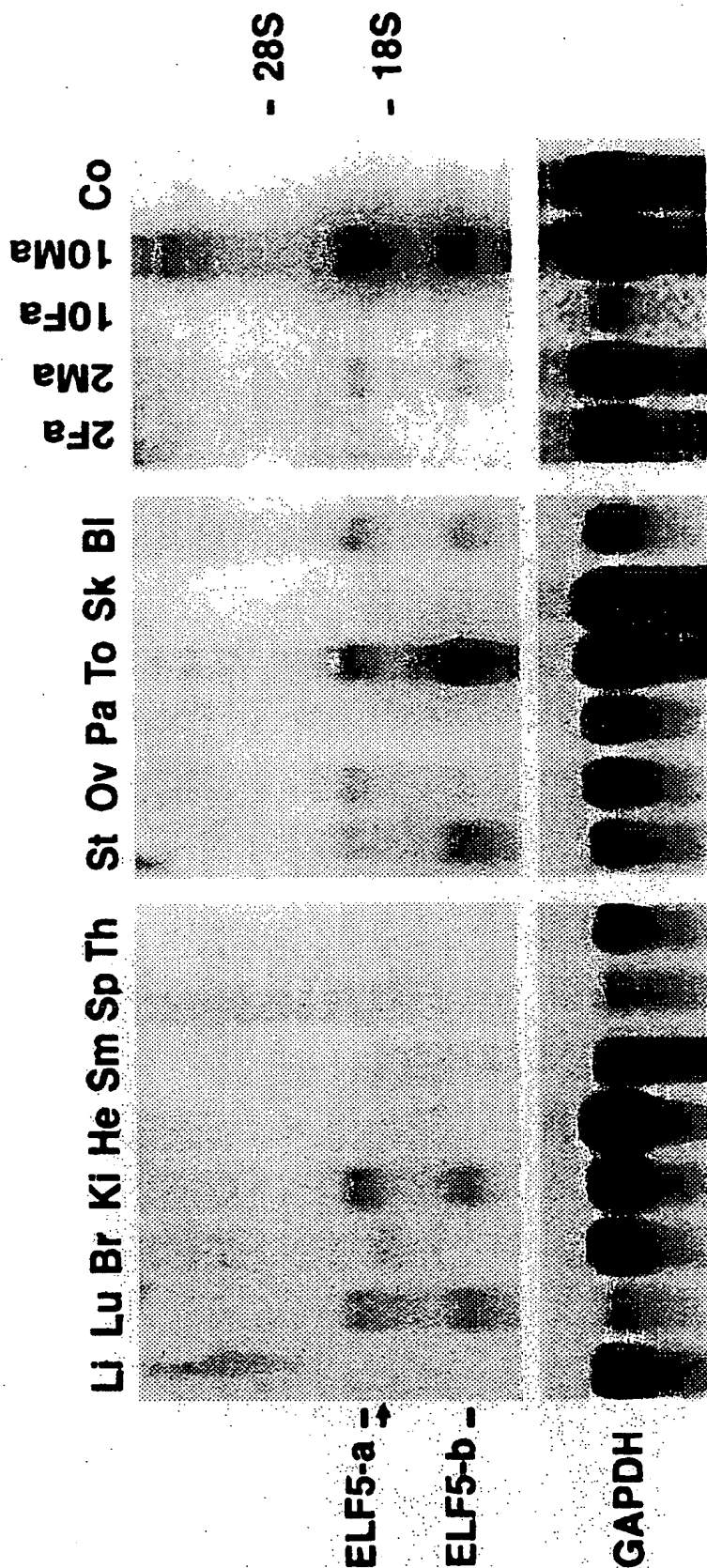
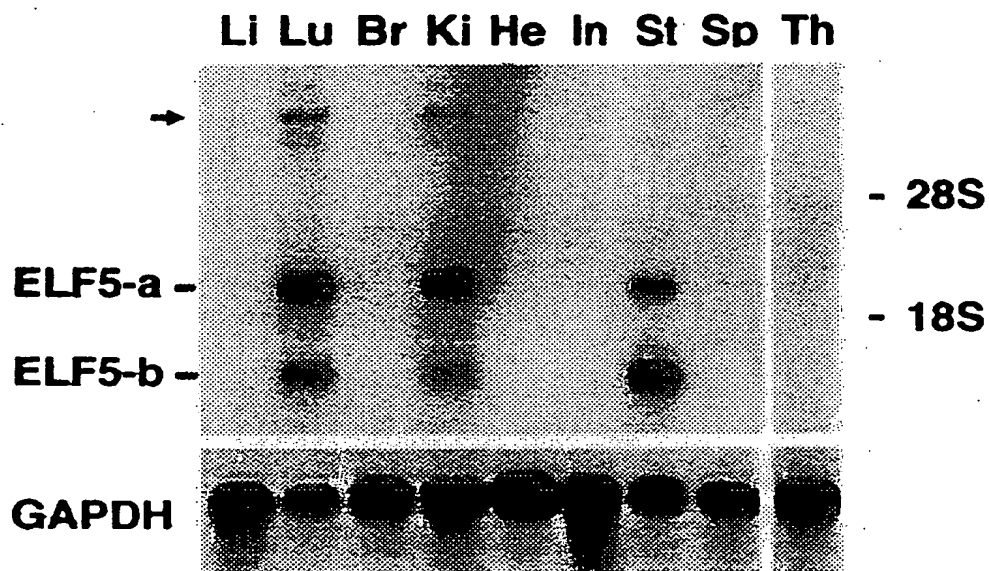


Figure 4a



9/18

**Figure 4b**

10/18

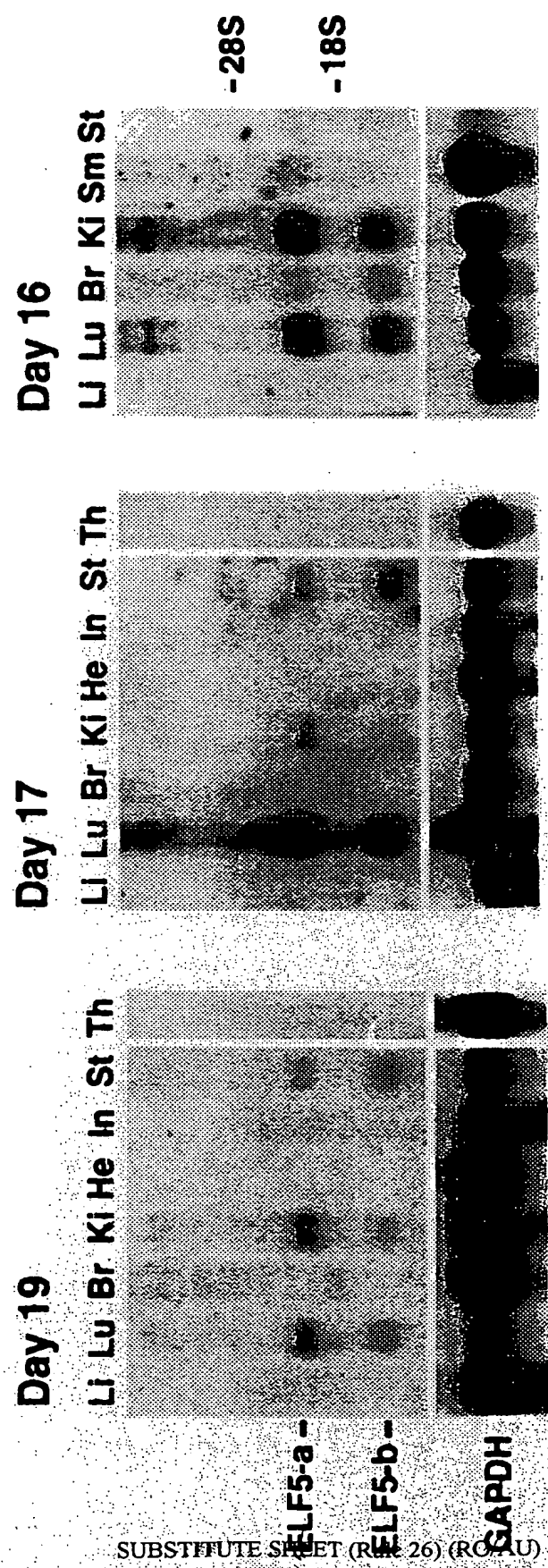
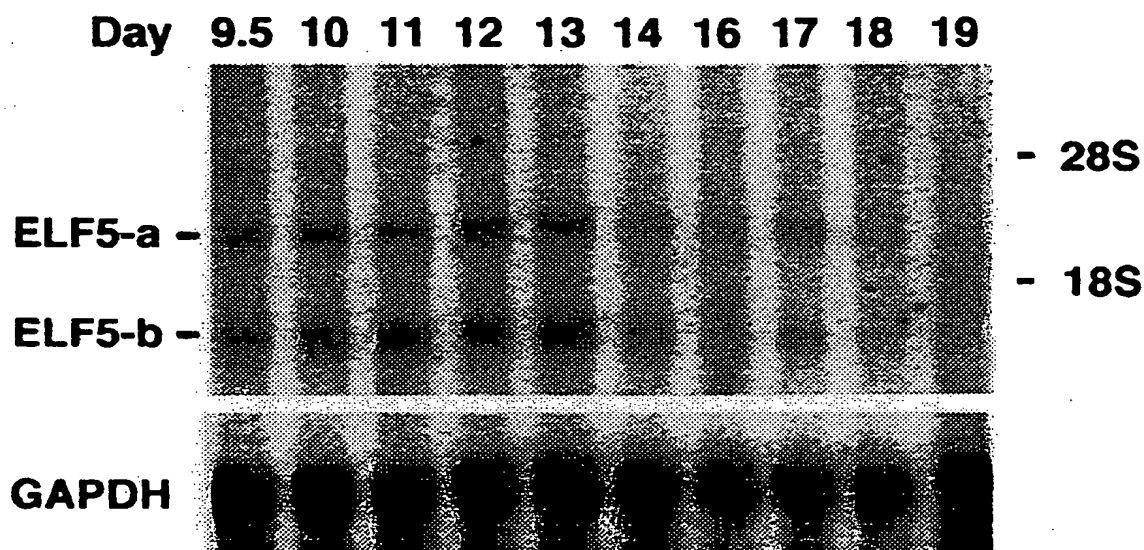
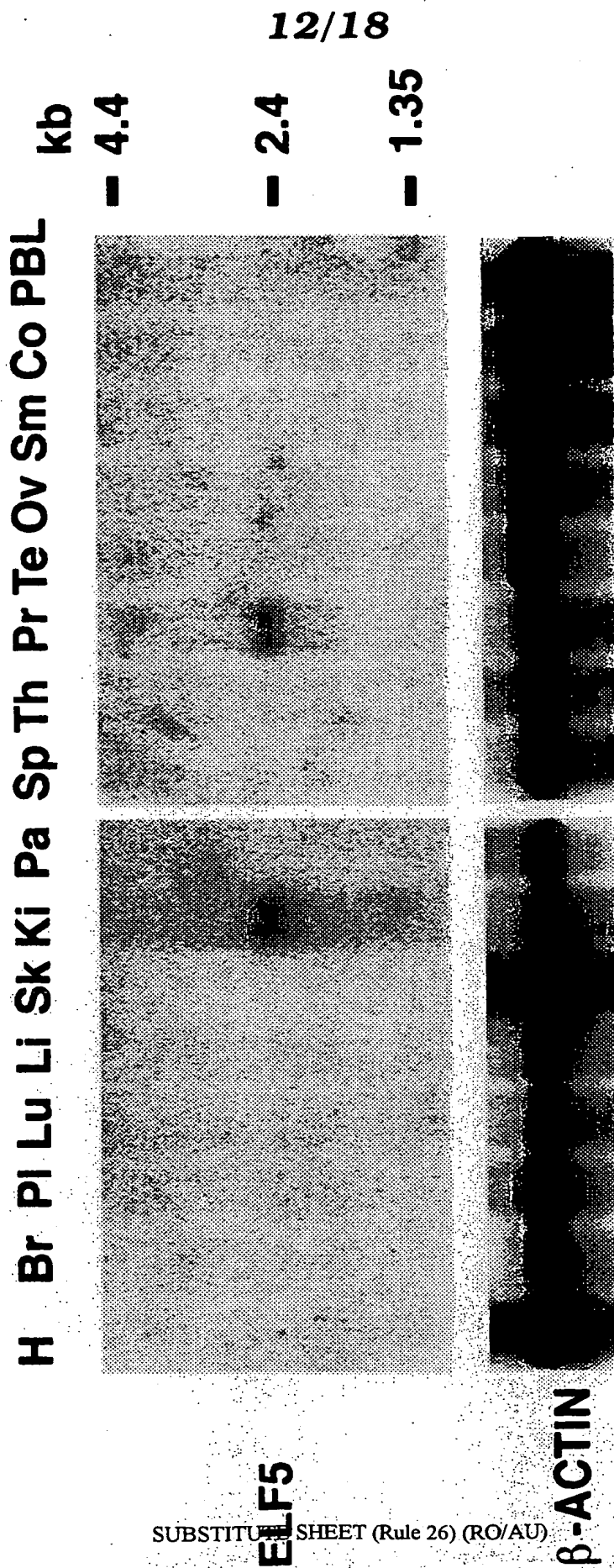


Figure 4c

11/18

**Figure 4d**

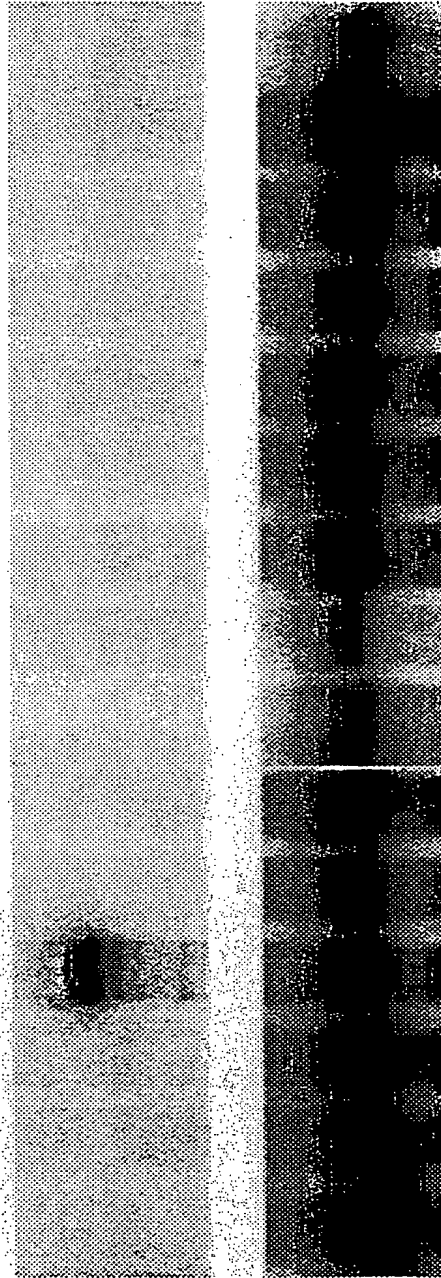


**Figure 5a**

13/18

09786043-8

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



ELF5

GAPDH

Figure 5b

14/18

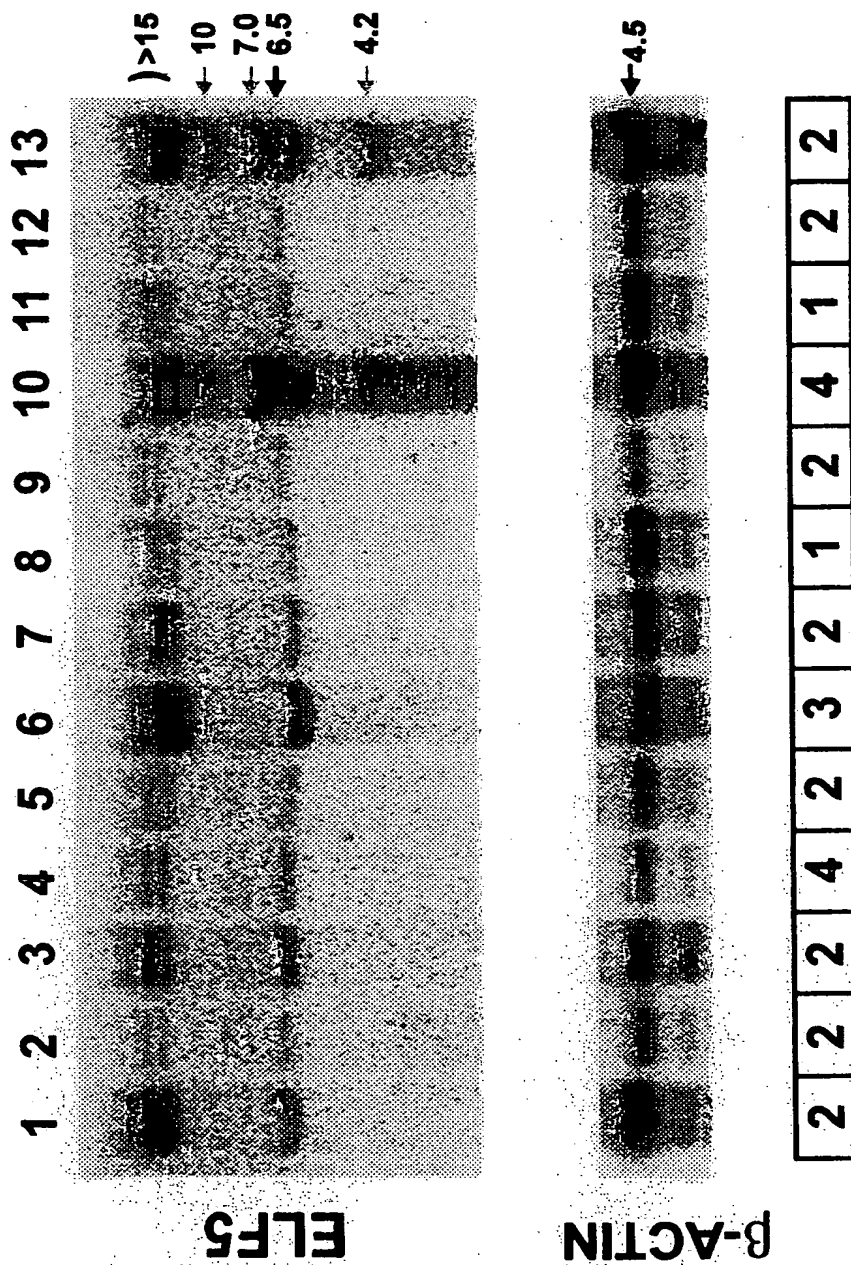
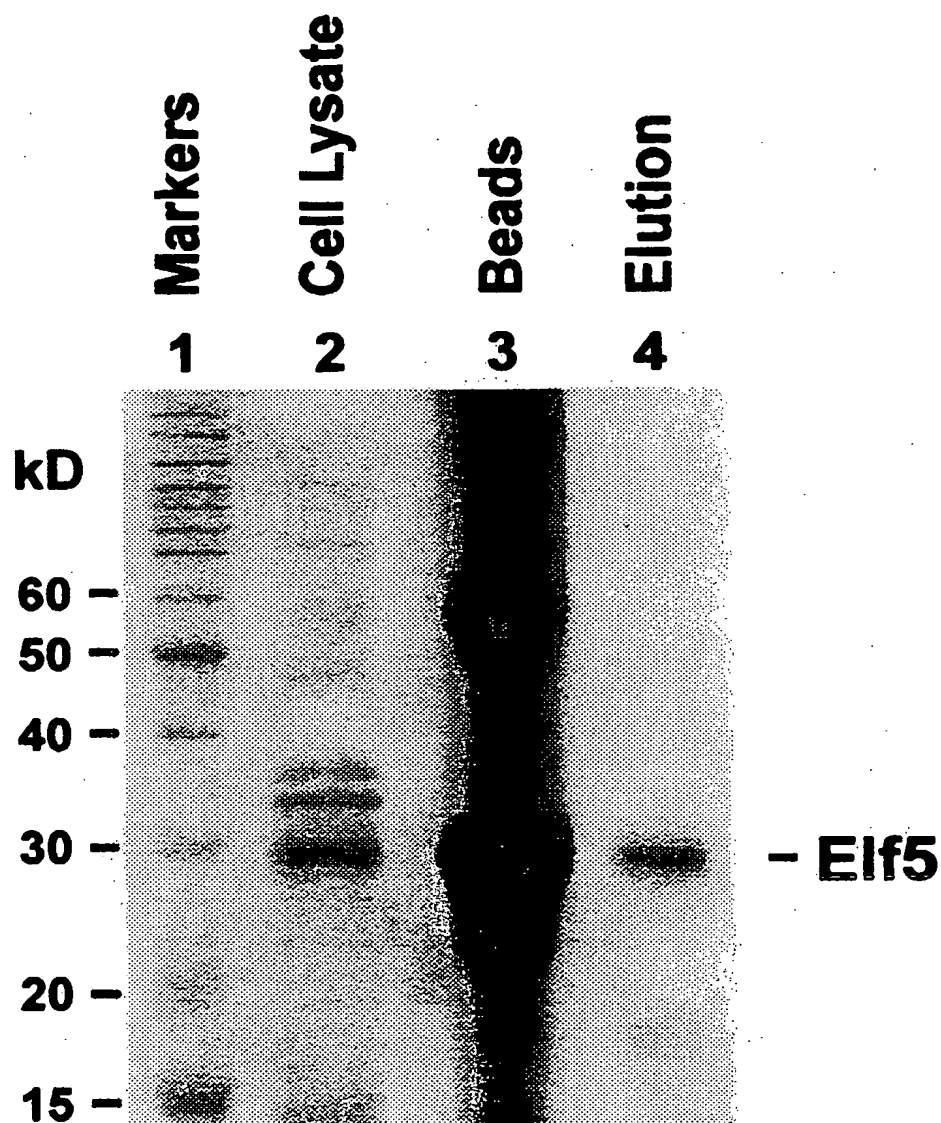


Figure 5c

15/18

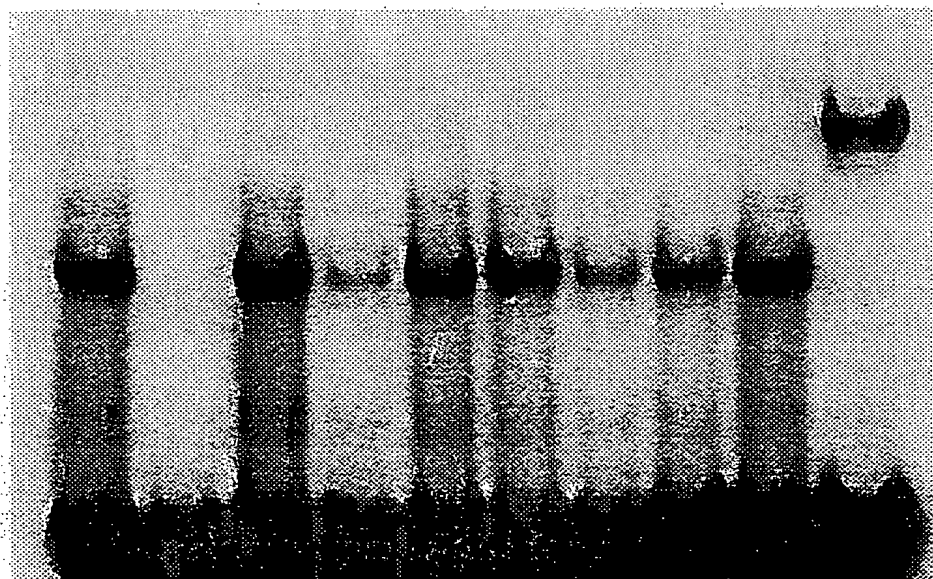


16/18

Protein	Elf5									ETS1
Probe	E74	E74 m1	E74							
Competitor	-	-	-	E74	E74 m1	GM ETS	ERB B2	MSV	AP1	-
	1	2	3	4	5	6	7	8	9	10

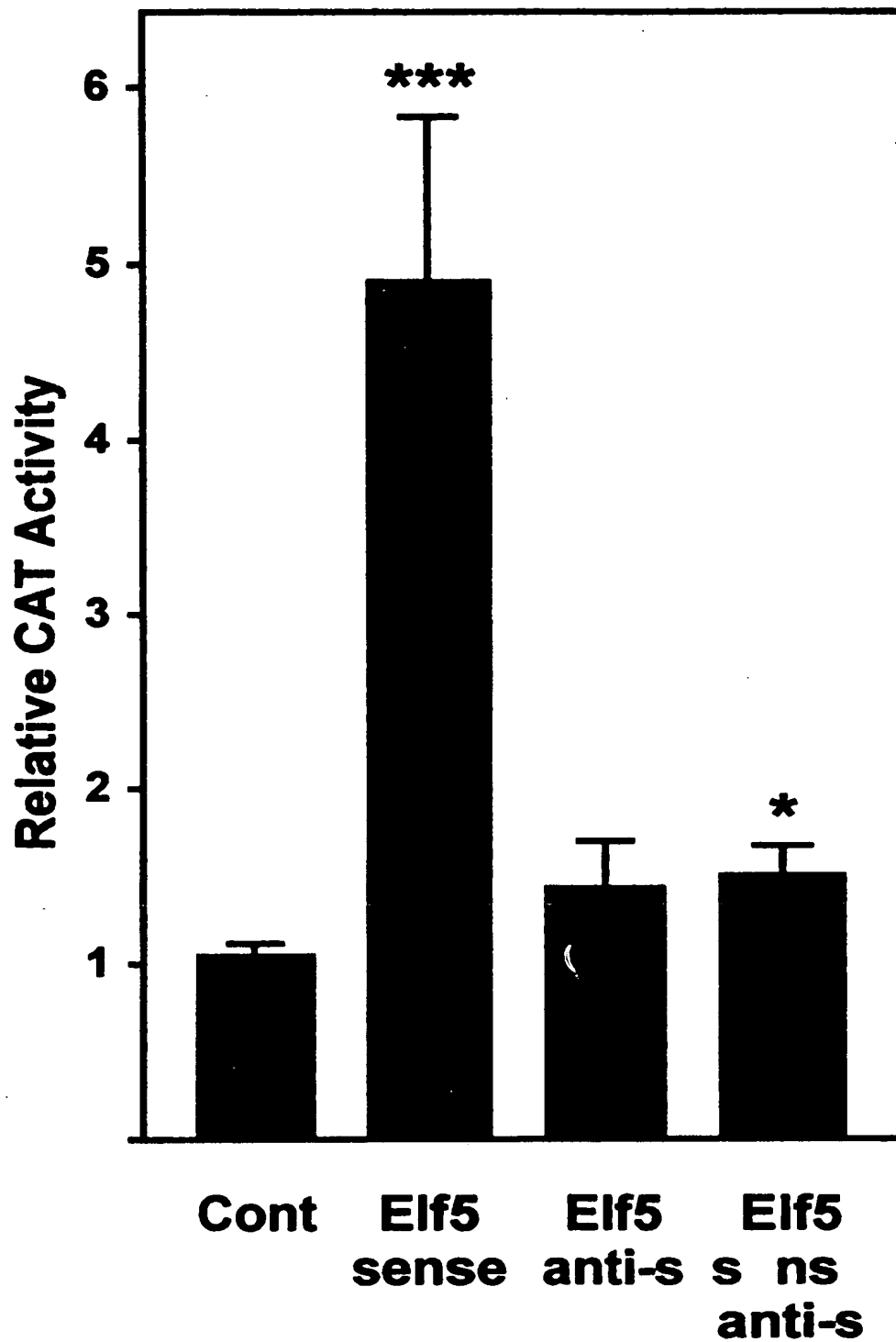
ETS1 —

Elf5 —

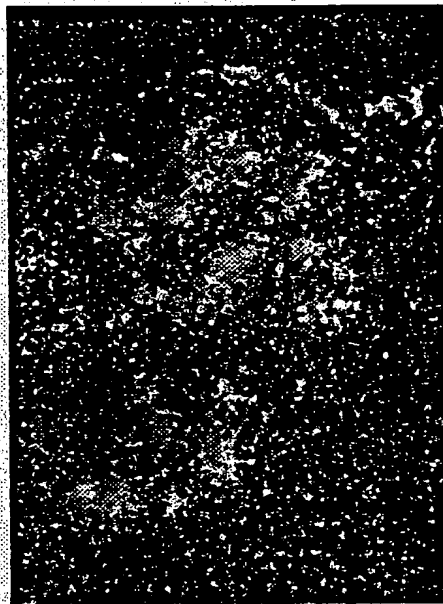
Free —  
Probe



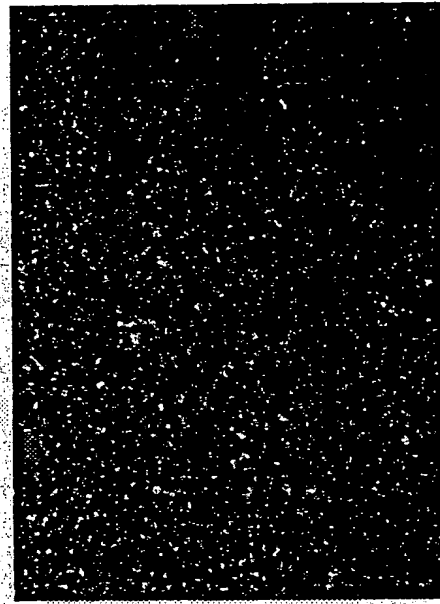
17/18



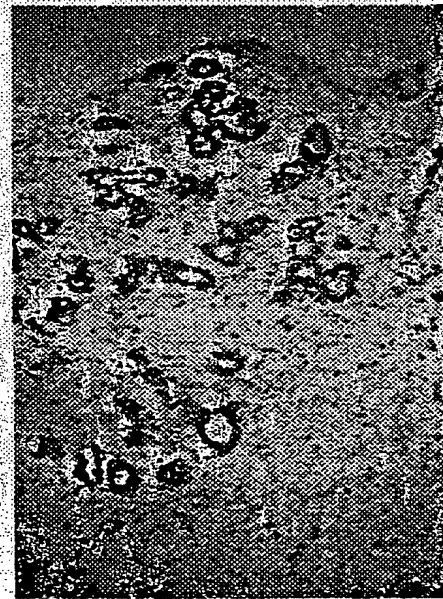
18/18



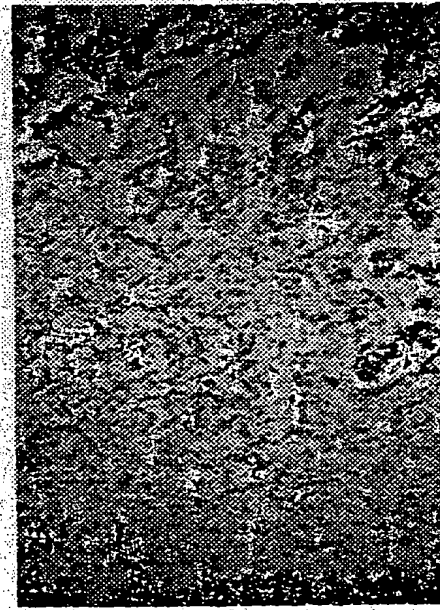
STAIN



ELF5



STAIN



ELF5

NORMAL

NEOPLASIA

Figure 8